

JANUARY

at the

CALIFORNIA ACADEMY OF SCIENCES

JANUARY MEETING

DATE: Wednesday evening, January 15
TIME: 8:00 p.m.
PLACE: May Treat Morrison Auditorium
SPEAKER: Dr. Joseph R. Jehl, Jr.
SUBJECT: "THE EDGE OF THE ARCTIC"

Dr. Jehl, Curator of Birds and Mammals at the San Diego Natural History Museum, will present an illustrated talk based on material gathered during four summers at Churchill, Canada — a seaport in northeast Manitoba on Hudson Bay at the mouth of the Churchill River. The purpose of his research was to garner information on the breeding biology of many species of sandpipers and plovers that nest there, many of which were photographed. It will be a general look at the flora and fauna of this northerly region and also a discussion of Churchill's role today as a major grain port, scientific research station, and jumping off place for arctic regions. Dr. Jehl will illustrate his lecture with color slides.

One presentation only at eight o'clock with seats on a first-come first-served basis. In case the auditorium is filled, late-comers will be invited to attend the sky show in Morrison Planetarium. Your membership card is your ticket of admission.

MORRISON PLANETARIUM

"32 MOONS" is the Theatre of the Stars presentation which begins January 3 and will play through March 2. Only one moon in the nighttime sky? No—there are thirty-one known others and probably more to discover as man reaches deeper and deeper into space. Believe it or not, the last moon discovered was as recent as 1966.

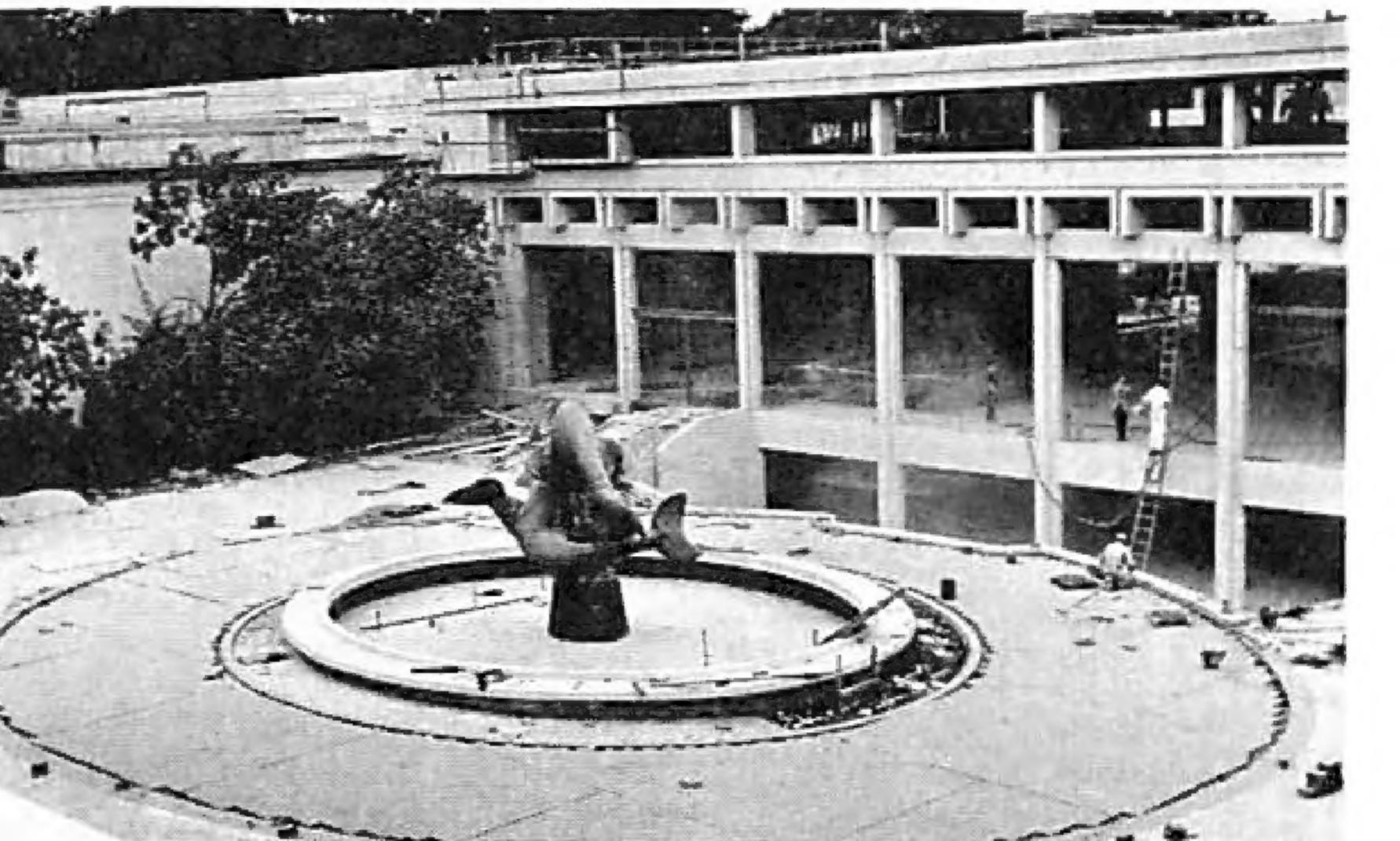
Daily shows at 2:00 with evening performances, Wednesday through Sunday, at 8:30. Extra matinees at 3:30 on Saturdays and Sundays. Admission: Adults, \$1.00. Students (with card), armed services personnel, and children under 16, 50c.

SPECIAL EXHIBITS

"AMPHIBIANS AND REPTILES: A Showcase of Unusual Adaptations" is now on exhibit in Lovell White Hall of Man and Nature. These photographs are the work of Dr. Nathan W. Cohen of the University of California at Berkeley.

From the Academy Collections: "PLUMES AND PLUMAGE" from the Department of Ornithology. Main Foyer, Science Museum.

NEWS and NOTES



YET ANOTHER PROGRESS picture of Cowell Hall. This is the present appearance of the Fountain of Whales courtyard which promises to be something when construction is finished and planting installed. Interior building is now in work and the month of May is just around the corner!

THE THREE DIRECTORS of the Academy between the years 1914 and the present as well as the two most recent presidents, find themselves traveling in highly distinguished company. A new publication, "World Who's Who in Science" (subtitled "A Biographical Dictionary of Notable Scientists from Antiquity to the Present") published by Marquis-Who's Who, Chicago, Illinois, includes their biographies along with those of Archimedes, Leonardo da Vinci, and Galileo — certainly the peerage of the world of science.

Listed are Barton Warren Evermann, American naturalist, who was Director of the Academy from 1914-1932, and of Steinhart Aquarium, 1922-1932; Robert Cunningham Miller, marine biologist, Director 1938-1963; and George Edmund Lindsay, biologist, Director from 1963 to now. Also included are Aldo Starker Leopold, wildlife biologist, President

of the Academy from 1959-1966 and re-elected to that position October 1968; and John Wyatt Durham, geologist-paleontologist, President 1966-1968. Both the latter are Professors in their respective fields at the University of California at Berkeley. Other Academy-associated personalities included in the 1854 page reference work are Gustav Eisen, George Davidson and Alice Eastwood.

CHARLES MATTHIAS GOETHE,

a man with a long-term interest in the Academy and in science in general, had generously, on his decease in 1966, bequeathed the amount of \$178,000 for Academy purposes, monies which have now been received. Mr. Goethe, a successful Sacramento banker, had a staying preoccupation with the natural world. He was the author of many books, articles and pamphlets. He was also a staunch conservationist — denying no effort on behalf of junior museums, parks and playgrounds. He died at the age of 91.

FRED L. JENNE,

Aquatic Biologist for Steinhart Aquarium, has received the highest in a series of honors awarded by the Irwin Memorial Blood Bank of the San Francisco Medical Society. Having made his fortieth voluntary blood donation to the bank, Fred has been awarded the "Five Gallon Blood Donor Award of Appreciation." Congratulations . . . and you certainly give the rest of us pause to reflect!

STEINHART AQUARIUM continues to outdo itself. The most recent coup was the arrival of blind dolphins from the Indus River near Sukkur in Pakistan — the first ever in captivity and the first placed on display anywhere. Known scientifically as *Platanista gangetica* and in India as Susu and in Pakistan as Buhlaan,



the animals are unique in that they are the only ones born congenitally blind with no functional vision whatsoever, a circumstance caused probably by the muddiness of their habitat — the Indus and the Ganges Rivers. On arrival, the three acquisitions weighed between 40 and 59 pounds. Unfortunately, one did not survive the arduous air journey from Pakistan, a hazard that has to be acknowledged in any such daring undertaking.

Dr. Earl S. Herald headed the collecting party which included Frederic L. Frye, D. V. M., a Research Associate for Steinhart; Elkan Morris, Field Associate from Fairbanks, Alaska; and Robert L. Brownell, Jr., of the Smithsonian Institution. Associates in Pakistan were T. A. Robertson, Pakistan Zoological Enterprises, Karachi, and J. A. W. Anderson, Inter-Fauna Pakistanica, Quetta.

The surviving side-swimmers may be found in Tank #32, sharing a divided area with Whiskers and Buddy, the dolphin pals who originally came from the Amazon in South America. Everyone is curious about everyone else.

THE ANNUAL TRUSTEE'S RECEPTION for new members of the Academy was held Monday evening, November 25. Refreshments were served in Steinhart Aquarium to the some 200 guests.

MEET THE STAFF



ELIZABETH JAVENS, Secretary for Morrison Planetarium, is a mainstay in one of the busiest Academy departments. She, in her modest way, had a great measure to do in handling the some 175,000 persons — including all ages of students — who poured through the Planetarium doors during the past fiscal year. No telephone rings oftener in the Academy than does the Planetarium's — inquiries about current shows, student shows, celestial phenomena, astronomy classes — and Betty is there to answer, advise, assist or refer.

Born in Glendale, California, her early life was spent living and being educated in Oregon. After high school, she began work for the Federal Government in various agencies — Social Security, Corps of Engineers, Bureau of Land Management.

During this period she met and married her husband Gene. The Javens moved to the Bay Area in '59, he to return to school at San Francisco State and Betty to employment with the National Park Service.

Lonesome for the greenness of the Oregon woods, they found solace in Golden Gate Park and here started the idea of one day working at the CAS which became reality in 1963. A teaching position for her husband in 1964 saw Betty reluctantly leave her job to take up residence in Placerville. The pull of San Francisco and the joy in her planetarium job was too great, however, and they returned in 1967 at which time she was able to come back to the desk she loved (and the staff was *that* happy to see her!).

The Javens make music together — she on the flute and he on the clarinet. A large collection of diverse records give them listening pleasure. Art and the local galleries are of prime interest as is the outdoors — what with bicycling (they own their own), hiking and camping. A fine, be-feathered dog named Sam is the third and very important member of the Javens' menage.

NEW MEMBERS OF THE ACADEMY

Regular Members

Miss Tommy F. Angell	Mr. Joseph Meredith
Dr. William D. Armstrong	Mr. Roberto T. Mora de H.
Mr. W. Browne Baker	Mr. Stephen O'Bryan
Mrs. Barbara M. Champion	Mrs. Thelma G. Picetti
Miss Elizabeth Crispin	Mrs. Mary F. Rawcliffe
Mrs. A. J. Hopkins	Mr. Manuel Rey
Mr. Clement Hurd	Miss Judith Anne Ryan
Instituto del Mar - Biblioteca	St. Ignatius High School
Miss Faye S. Jasmann	Mr. Sean D. Vickery
Mr. John W. Martin, Jr.	Dr. M. P. Wennekens
	Mr. Eugene W. Woolslair

Family Members

Mr. & Mrs. R. W. Achor	Mr. John D. McCarthy
Mr. Rex V. Allen	Dr. & Mrs. Charles A. Noble, Jr.
Mrs. Melicent T. Bachman	Mr. & Mrs. Martin R. Sorenson
Mr. & Mrs. Frank M. Davidson	Mr. Clark E. Rucker
Mr. James O. Ellis	Dr. Paul Ucker
Mr. & Mrs. Arthur Hartman	Miss Madge Unsworth
Mrs. Grayce A. Morris	Mr. Roy R. Yates

Contributing Members

Mr. William B. Freer	Mr. & Mrs. Gordon Reeve Gould
	Dr. Norman D. Hughes

Concerto
THE CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK • SAN FRANCISCO 94118
Open every day of the year
10:00 a.m. to 5:00 p.m. Admission Free

